



GENERAL NOTES (FOR ELECTRICAL EQUIPMENT & CONTROL SCHEDULE ONLY):

- A. DESIGNATION NUMBER IS USED TO IDENTIFY EQUIPMENT & ASSOCIATED CONTROL DEVICES.
 B. VERIFY ALL MOTOR SIZES BEFORE ORDERING ANY CONTROL DEVICES. C. ALL CONTROL DEVICES ARE PROVIDED BY CONTRACTOR UNLESS OTHERWISE NOTED. D. VERIFY FEEDER SIZES FOR VOLTAGE DROP IN ACCORDANCE WITH NEC REQUIREMENTS BASED ON ACTUAL ROUTING
- DISTANCES IN FIELD. INCREASE WIRE AND CONDUIT SIZE IF REQUIRED. REFERENCE NOTES (FOR ELECTRICAL EQUIPMENT & CONTROL SCHEDULE ONLY):
- 1. PROVIDING WIRING AND RACEWAY FROM PANELBOARD TO VFD, BETWEEN VFD AND DISCONNECT SWITCH, AND FROM DISCONNECT SWITCH TO EQUIPMENT TERMINAL CONNECTION AS REQUIRED.

GENERAL RENOVATION NOTES

- A. ALL WORK SHALL CONFORM TO ALL APPLICABLE RULES, REGULATIONS, AND CODES.
 PROVIDE ALL WORK IN ACCORDANCE WITH SPECIFICATIONS ASSOCIATED WITH THIS
- B. WALK-THRU WITH OWNER AND VERIFY ALL ELECTRICAL DEVICE LOCATIONS PRIOR TO INSTALLATION.
- C. ELECTRICAL EQUIPMENT LOCATIONS ARE APPROXIMATE. VERIFY EXACT EQUIPMENT

LOCATIONS PRIOR TO FEEDER ROUGH-IN.

SERVICE SPACE AT EACH LOCATION.

- D. TO MAINTAIN DRAWING CLARITY, CIRCUITRY FOR HVAC/PLUMBING EQUIPMENT MOTOR CONNECTIONS AND CONTROL DEVICES, HAS NOT BEEN SHOWN. REFER TO ELECTRICAL
- EQUIPMENT & CONTROL SCHEDULE ON THIS DRAWING FOR HVAC/PLUMBING EQUIPMENT CIRCUITRY REQUIREMENTS AND ADDITIONAL INFORMATION. E. MOTOR CONNECTION LOCATIONS SHOWN ARE APPROXIMATE. VERIFY EXACT LOCATIONS
- F. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SUPPORT HARDWARE FOR SECURELY FASTENING THE HVAC/PLUMBING ELECTRICAL CONTROL DEVICES AND ENCLOSURES TO THE BUILDING STRUCTURE. THE REQUIRED HARDWARE INCLUDES, BUT IS NOT LIMITED TO, INTERMEDIATE STEEL ANGLE, UNISTRUCT, FASTENERS, JOISTS CLAMPS, ETC. MOUNT STARTERS, VFD'S, DISCONNECTS, RELAYS, AND OTHER HVAC/PLUMBING ELECTRICAL CONTROL DEVICES AND ENCLOSURES AT LOCATION(S) INDICATED IN ELECTRICAL EQUIPMENT & CONTROL SCHEDULE. ALLOW MAINTENANCE ACCESS AND

WITH OTHER TRADES PRIOR TO FEEDER/ CONDUIT ROUGH-IN

- 9. WHERE NEW CIRCUIT BREAKERS ARE REQUIRED FOR INSTALLATION IN EXISTING ELECTRICAL PANELS, CONTRACTOR SHALL PROVIDE CIRCUIT BREAKERS WHICH ARE COMPATIBLE WITH EXISTING ELECTRICAL PANELS. MATCH FRAME SIZES, KIAC RATINGS,
- H. UNLESS NOTED AS EXISTING, CONTRACTOR SHALL PROVIDE ALL MATERIALS SHOWN ON DRAWINGS ALL MATERIALS PROVIDED SHALL BE NEW, UNUSED CONDITION.
- UNLESS NOTED OTHERWISE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL CUTTING AND PATCHING REQUIRED TO PERFORM WORK. IN ADDITION, PATCH ALL OPENINGS CREATED BY REMOVAL ACTIVITIES WHICH ARE NOT BEING UTILIZED FOR CONSTRUCTION. PATCH TO MATCH EXISTING ADJACENT SURFACES IN MATERIAL, FINISH, TEXTURE AND COLOR.
- REMOVE & REINSTALL EXISTING CONSTRUCTION (LIGHTING, ELECTRICAL EQUIPMENT, FIRE ALARM DEVICES, FURNISHINGS, ETC.) AS NECESSARY TO COMPLETE THE REMOVALS & RENOVATION WORK REQUIRED BY THE DRAWINGS & SPECIFICATIONS. REPLACE ANY ITEMS DAMAGED BY OR DUE TO THIS REMOVAL & REINSTALLATION WITH NEW ITEMS TO MATCH EXISTING. (APPLIES TO AREAS WITHIN & OUTSIDE OF THE PROJECT AREA).
- K. ALL ITEMS THAT REQUIRE ACCESS, SUCH AS FOR OPERATING, CLEANING, SERVICING, MAINTENANCE, AND CALIBRATION, SHALL BE EASILY AND SAFELY ACCESSIBLE BY PERSONS STANDING AT FLOOR LEVEL, OR STANDING ON PERMANENT PLATFORMS, WITHOUT THE USE OF PORTABLE LADDERS, EXAMPLES OF THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO: ALL TYPES OF VALVES, FILTERS AND STRAINERS, TRANSMITTERS, CONTROL DEVICES. PRIOR TO COMMENCING INSTALLATION WORK, REFER CONFLICTS BETWEEN THIS REQUIREMENT AND CONTRACT DRAWINGS TO THE VA COTR FOR RESOLUTION.
- .. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL ALTER EXISTING PANELBOARD CIRCUIT BREAKER DIRECTORIES, MOUNTED IN EXISTING PANELBOARDS, TO DESCRIBE NEW EQUIPMENT AND DEFINE THEIR CORRESPONDING CIRCUIT BREAKER.
- M. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF AND RELOCATION OF OTHER

ITEMS, NOT SHOWN ON DRAWINGS, AS REQUIRED TO COMPLETE ALL RENOVATIONS.

ELECTRICAL ABBREVIATIONS

ABOVE FINISHED FLOOR

BUILDING MANAGEMENT SYSTEM

CHILLED WATER RETURN CHILLED WATER SUPPLY CONDENSATE

DIRECT DIGITAL CONTROL DEGREES FAHRENHEIT DIFFERENTIAL PRESSURE VALVE

EXIST EXISTING

HOT WATER RETURN HOT WATER SUPPLY HERTZ

OUTSIDE AIR

REVOLUTIONS PER MINUTE STM STEAM

TEMPERATURE

UNLESS NOTED OTHERWISE

VOLT AMPERE VARIABLE FREQUENCY DRIVE

NOTE: NOT ALL ABBREVIATIONS ARE NECESSARILY USED ON THESE DRAWINGS.

ELECTRICAL SYMBOLS

--- NEW EQUIPMENT

EXISTING EQUIPMENT TO REMAIN

INDICATES KEYED NOTE

PROVIDE MOTOR CONNECTION, # = EQUIPMENT DESIGNATION NUMBER REFER TO ELECTRICAL EQUIPMENT & CONTROL SCHEDULE FOR DETAILS

EXISTING PANELBOARD TO REMAIN

(1) EXISTING 208/120V, 3 PHASE PANELBOARD '10A-AC' REMAINS. PROVIDE ONE (1) 100A/3P CB IN PANELBOARD FOR PUMP 'HWP-505'. PROVIDE ONE (1) 100A/3P CB IN PANELBOARD FOR PUMP 'HWP-506'.

KEYED RENOVATION NOTES

 $\langle 2 \rangle$ REFER TO 'M' DRAWINGS FOR PUMP LOCATION.

RECONNECT EXISTING CIRCUITRY = MODIFY AND EXTEND EXISTING WIRING AND CONDUITS AS REQUIRED TO RECONNECT CIRCUITRY TO ELECTRICAL DEVICE. PROVIDE NECESSARY JUNCTION

BOXES, EXTENSION BOXES, SPLICES, RACEWAYS, WIRING, CONNECTORS, ETC. AS REQUIRED.

CIRCUITRY = UNLESS NOTED OTHERWISE, CIRCUITRY INCLUDES, BUT IS NOT LIMITED TO, WIRING, OUTLETS BOXES, JUNCTION BOXES, RELAYS, WIREMOLD, SURFACE MOUNTED RACEWAY, CONDUITS, CONTROL DEVICES, ETC.

WORK AREA

10TH FLOOR KEY PLAN
SCALE: NONE











